

**I CLAIM:**

1. A height adjustable armrest assembly for a chair,  
comprising:

5 a support unit including a lower part defining  
a lower chamber, and an upper part that defines an  
upper chamber therein, that is movable relative to  
said lower part, and that has an abutting member  
disposed within said upper chamber and subdividing  
said upper chamber into an upper portion and a lower  
10 portion;

an armrest mounted on said upper part so as to  
be movable together therewith;

15 a cylinder-and-piston unit including a cylinder  
that extends into said lower portion of said upper  
chamber to abut against said abutting member and  
that has opposite upper and lower ends, a piston  
mounted securely in said lower chamber and  
telescopically extending into said lower end of  
said cylinder, and a locking member including a  
20 spring-biased button projecting upwardly from said  
upper end of said cylinder, extending through said  
abutting member and into said upper portion of said  
upper chamber and pressible to move between a locked  
position, in which, said cylinder is locked by said  
locking member against axial movement relative to  
25 said piston, and an unlocked position, in which,  
said cylinder is released by said locking member

so as to be axially movable relative to said piston;  
and

a control knob mounted movably on said upper part  
of said support unit, engaging said button, and  
operable so as to move said button from said locked  
position to said unlocked position.

2. The height adjustable armrest assembly as defined  
in Claim 1, wherein said cylinder-and-piston  
assembly is pneumatically operated.

3. The height adjustable armrest assembly as defined  
in Claim 1, wherein said upper part includes a  
peripheral wall that defines said upper chamber and  
that is formed with a knob-retention slot which is  
in spatial communication with said upper portion  
of said upper chamber and which receives said  
control knob therein, said cylinder-and-piston  
assembly further including a lever-holding seat  
disposed within said upper portion of said upper  
chamber in said upper part and having a bottom  
portion that is seated on said abutting member and  
that is formed a bottom hole to permit extension  
of said button therethrough, and two parallel  
portions extending from two opposite sides of said  
bottom portion, and an actuating lever pivoted to  
said parallel portions of said lever-holding seat  
and having opposite ends respectively in contact  
with said button and said control knob in such a

manner that movement of said control knob to an upper position along said knob-retention slot results in turning of said actuating lever in a first direction, which, in turn, forces said button to said unlocked position, and that movement of said control knob  
5 to a lower position along said slot results in turning said actuating lever in a second direction opposite to said first direction and restoring of said button to said locked position.